

L 20612-66

ACC NR: AP6010752

cases. Electrical conductivities varied from 5×10^{-13} to 2×10^{-10} mho/cm and activation energies from 1.35 to 1.60 ev. The activation energy and the energy required for transition of the chlorophthalocyanines changed symbatically and rose with increasing atomic number of the metal. It is suggested that this rise is associated with an increase in the donor-acceptor interaction between the metal atom and nitrogen atoms in the phthalocyanines. The energy of electrons in the conducting state was lower than the energy of the lowest excited state. [SM]

SUB CODE: 20, 11/ SUBM DATE: 23Jul65/ ORIG REF: 006/ OTH REF: 007/ ATD PRESS:

4124

Card 2/2 BK

ACC NR: AP6034154

SOURCE CODE: UR/0076/66/040/010/2614/2616

AUTHOR: Nasirdinov, S. D.; Shugam, Ye. A.; Berger, L. I.; Shklover, L. P.; Gurevich, M. Z.

ORG: All-Union Institute of Chemical Reagents (Vsesoyuznyy institut khimicheskikh reaktivov)

TITLE: Electrical conductivity of polymeric phthalocyanines of certain transition metals 38 B

SOURCE: Zhurnal fizicheskoy khimii, v. 40, no. 10, 1966, 2614-2616

TOPIC TAGS: organic semiconductor, semiconducting polymer, poly-phthalocyanine

ABSTRACT: Polymeric phthalocyanines of scandium, cobalt, and zirconium have been prepared and their electrical properties have been studied. It is noted that previously electrical properties had been studied only for the polymeric phthalocyanine of copper. The polymers were dark powders insoluble in dimethylformamide and α -bromonaphthalene, and readily soluble only in concentrated H_2SO_4 . The temperature dependence of conductivity was measured at 20—250°C for pressed pellet samples in a stream of dry argon, and the thermal activation energy for conduction was determined and correlated with the most intense long-waves.

Card 1/2

UDC: 631.315.592

ACC NR: AP6034154

absorption band in the visible region. It was found that the temperature dependence of conductivity obeys an exponential law. Measurement of the temperature dependence of thermoelectric power showed that the conduction was n-type in the entire temperature range. The conductivity at 293K for the polymers was in the range 10^{-7} to 10^{-9} mho/cm. The activation energy varied from 0.53 to 0.62 ev, values much lower than for the monomers. The activation energy varied symbatically with optical excitation energy. Orig. art. has: 2 tables.

SUB CODE: 11, 20/ SUBM DATE: 17Dec65/ ORIG REF: 004/ OTH REF: 005
ATD PRESS: 5101

Card 2/2 lc

L 32057-66 EWT(m)/EWP(t)/ETI IJP(c) RDW/JD

ACC NR: AP6013355 (N)

SOURCE CODE: UR/0363/66/002/004/0772/0774

AÚTHOR: Annamamedov, R.; Berger, L. L.; Petrov, V. M.; Kharakhorin, F. F.

72
69
B

ORG: Institute of Chemical Reagents and High-Purity Substances, Moscow (Institut khimicheskikh reaktivov i osob chistykh veshchestv)

TITLE: Optical and photoelectric properties of the ternary semiconducting compounds Cu₃AsSe₄ and Cu₃SbSe₄

SOURCE: AN SSSR. Izvestiya. Neorganicheskiye materialy, v. 2, no. 4, 1966, 772-774

TOPIC TAGS: copper compound, arsenic compound, selenium compound, antimony compound, semiconductor crystal, photoconductivity, forbidden zone width

ABSTRACT: Continuing their systematic investigations of ternary semiconducting compounds of diamondlike structure, the authors undertook a study of the spectral distribution of diffuse reflection and photoconductivity of the compounds Cu₃AsSe₄ and Cu₃SbSe₄, polycrystalline samples being used. The apparatus for measuring the distribution of diffuse reflection and the spectral distribution of the photoconductivity is described. The shape of the curves of diffuse reflection show that the compounds studied are semiconductors. At room temperature, the forbidden gap width determined from the start of the linear segment is 0.88 eV for Cu₃AsSe₄ and 0.31 eV for Cu₃SbSe₄. Only the latter compound displayed photoconductivity; its forbidden gap width at 77K is about 0.65 eV, as determined from the spectral characteristic of the photoconductivity. The results indicate that the replacement of the relatively light arsenic atoms by

UDC 537.311.33

Card 1/2

ACC NR: AP6032953

SOURCE CODE: UR/0363/66/002/010/1876/1877

AUTHOR: Nikol'skaya, G. F.; Berger, L. I.; Yevfimovskiy, I. V.; Kagirova, G. N.; Shchukina, I. K.; Kovaleva, I. S.

ORG: Institute of General and Inorganic Chemistry im. N. S. Kurnakov, Academy of Sciences, SSSR (Institut obshchey i neorganicheskoy khimii Akademii nauk SSSR)

TITLE: Electric conductivity of CdSnAs₂ in solid and liquid states

SOURCE: AN SSSR. Izvestiya. Neorganicheskiye materialy, v. 2, no. 10, 1966, 1876-1877

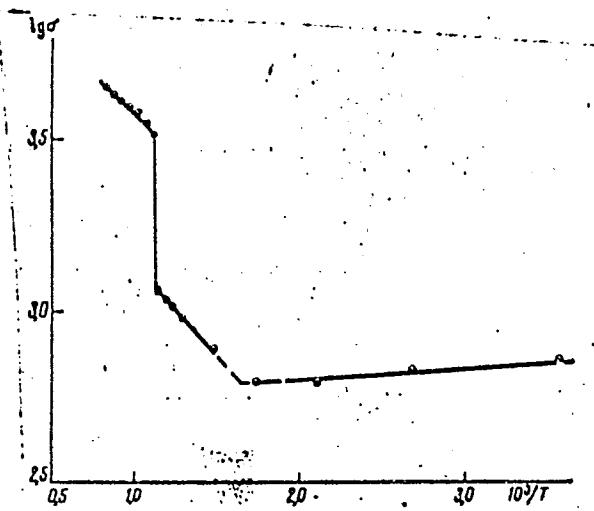
TOPIC TAGS: cadmium tin arsenide, arsenide electric conductivity, liquid arsenide viscosity, liquid arsenide conductivity, cadmium compound, tin compound, arsenide, electric conductivity test

ABSTRACT: Cadmium-tin arsenide CdSnAs₂ was synthesized by fusion of stoichiometric quantities of high-purity components. All the specimens had a single-phase structure. Heating and cooling curves indicated no structural changes, except for melting and solidification at 595 and 592±5°C, respectively. The conductivity of the compound undergoes a change from impurity-type to intrinsic (see Fig. 1). The shape of the conductivity-inverted temperature curve indicates that the compound remains semi-conductive, melts without decomposition, and maintains a close order in the liquid

Card 1/2

UDC: 546.48'811'191:537.311

ACC NR: AP6032953

Fig. 1. CdSnAs_2 conductivity

state. The width of the forbidden-zone, calculated from the slope of the conductivity curve, amounts to 0.20 ev. Orig. art. has: 2 figures.

SUB CODE: 11/ SUBM DATE: 10Dec65/ ORIG REF: 008/ OTH REF: 003/

Card 2/2

VELIKORETSKIY, D.A.; LORIYE, K.M.; FINKEL'; I.I.; GRIGORCHUK, Yu.F.;
BERGER, L.Kh.; UTROBINA, V.V.; KHARCHENKO, V.P.; MESHCHERYKOV, A.V.,
student V kursa; OBEREMCHENKO, Ya.V., kand.med.nauk; NIKITIN, A.V.;
MUKHOYEDOVA, S.N.; KUSMARTSEVA, L.V., assistent; KUZNETSOV, V.A.,
dotsent; KUKHTINOVA, R.A., assistent; BONDARENKO, Ya.D. (g. Fastov);
KURTASOVA, L.V. (g. Fastov); PEVCHIKH, V.V.; CHURAKOVA, A.Ye.;
BABICH, M.M.; KUZ'MIN, K.P.; PAVLOV, S.S.; SHEVLYAKOV, L.V., kand.
med.nauk; IGNAT'YEVA, O.M.; ZEYGERMAKHER, G.A.; GUTKIN, A.A.;
POLYKOVSKIY, T.S.

Resumes. Sov.med. 25 no.11:147-152 N '61.

(MIRA 15:5)

1. Iz Instituta grudnoy khirurgii AMN SSSR (for Velikoretskiy, Loriye, Finkel').
2. Iz bol'nitsy No.3 Gorlovki Stalinskoy oblasti (for Grigorchuk).
3. Iz Tyumenskoy oblastnoy bol'nitsy (for Berger, Utrobina).
4. Iz Karatasskoy rayonnoy bol'nitsy Yuzhno-Kazakhstanskoy oblasti (for Kharchenko).
5. Iz Gospital'noy khirurgicheskoy kliniki I Moskovskogo ordena Lenina meditsinskogo instituta imeni Sechenova (for Meshcheryakov).
6. Iz kliniki propedevticheskoy terapii Stalinskogo meditsinskogo instituta na baze oblastnoy klinicheskoy bol'nitsy imeni Kalinina (for Oberemchenko).
7. Iz kliniki gospital'noy terapii Voronezhskogo meditsinskogo instituta (for Nikitin, Mukhoyedova).
8. Iz kafedry obshchey khirurgii Kishinovskogo meditsinskogo instituta (for Kusmartseva).

(Continued on next card)

GROMAKOV, S.D.; HERGER, L.M.

Calculating properties of ternary systems on the basis of data
for binary systems. Viscosity of ternary nonreciprocal systems
composed of water, methanol, ethanol and glycerin at 0°C. Uch.
zap. Kaz. un. 117 no.9:210-215 '57. (MIRA 13:1)

l.Kazanskiy gosudarstvennyy universitet im. V.I. Ul'yanova-
Lenina. Kafedra neorganicheskoy khimii.
(Systems (Chemistry))

BERGER, Magdalena

Erythroleukemia syndrome in a 6-year-old boy. Pediat. polska 35 no.8:
908-911 Ag '60.

1. Z Kliniki Chorob Wewnętrznych Kierownik: prof. dr med.
J.Raszek. i z Pracowni Hematologicznej Kierownik: prof. dr med.
W.Lawkowicz Instytutu Matki i Dziecka w Warszawie Dyrektor: prof.
dr med. Fr.Groer
(ANEMIA LEUKOERYTHROBLASTIC case reports)

BERGER, Magdalena

Aplastic crisis during the course of congenital spherocytosis.
Pediatria polska 35 no.9:1111-1117 S '60.

1. Z Kliniki Chorob Wewnętrznych Kierownik: prof. dr med. J.Raszek
i Pracowni Hematologicznej Kierownik: prof. dr med. W.Lawkowicz
Instytutu Matki i Dziecka w Warszawie Dyrektor: prof. dr med.
F.Grcer.

(ANEMIA APLASTIC in inf & child)

HOLMER, Mandalena
Surname (in caps); Given Name(s)

Country: Poland

Academic Degrees:

Mother and Child Research Institute (Instytut Matki i
Affiliation: Dziecka), Warsaw; Director: ✓Fr. GROER, Prof dr med
(see below)

Source: Warsaw, Pediatria Polska, No 8, Aug 60, pp 908-911

Data: "Erythroleukemia Syndrome in a 6 Year Old Boy."

Specific Departments involved:

Internal Diseases Clinic (Klinika Chorob Wewnetrznych);
Director: ✓J. RASZEK, Prof dr med

Hematological Laboratory (Pracownia Hematologiczna);
Director: ✓W. LAWKOWICZ, Prof dr med

BERGER, Marcel, inz.

Raising the labor productivity in thermal power stations.
Energetika Cz 12 no.10:538-540 0 '62.

1. Energoprojekt, Praha.

BERGER, Magdalena

Functional disorders of blood platelets, ostepy big. nad. docw.
18 no.2:241-255 Mr-Ap '64.

1. Z Pracowni Hematologii Instytutu Matki i Dziecka w Warszawie
(Dyrektor Instytutu: prof. dr. B. Gornicki).

BERGER, Marcel, inz.; CEMUS, Jan, inz.

Determining the total cost of electric power production in nuclear power plants. Energetika Cz 13 no.9:457-460 S '63.

1. Energoprojekt, Praha.

BERGER, Marcel, inz.

Determination of orientation budget costs of the high voltage
transformer station construction by technical and economic
indexes. Energetika Cz 14 no.10:503-505 O '64.

1. Energoprojekt, Prague.

BERGER, Marek, inz.

Joining hull block sections without fitting allowance on
the slipway. Bud. okretowe Warszawa 7 no.12:406-408 D
'62.

1. Stocznia im. Komuny Paryskiej, Gdynia.

BERGER, Milan, dr.

Endometritis tuberculosa; diagnostic methods. Lijec. vjes. 76
no.7-8:309-320 July-Aug 54.

1. Iz Ginekološko-porodniškog odjela Bonice dr. M.Stojanovica i
Klinike za ženske bolesti i porode Medicinskog fakulteta
Sveucilista u Zagrebu.

(TUBERCULOSIS, FEMALE GENITAL
endometrium, diag.)

BERGER, Milan

Diagnosis of female genital tuberculosis. Radovi Med. fak.
Zagrebu 1:42-52 1956.

(TUBERCULOSIS, FEMALE GENITAL, diagnosis,
(Ser))

HERGER, Margit; KISZELY, Gyorgy

Effect of strychnine on endocrine system in aging organism.
Kiserletes orvostud. 6 no.6:488-494 Nov 54.

1. Szabolcs utcai Allami Korhas II. sz. Szulezzeti es Nogyogyasszati
Osztalya es A Budapesti Orvostudomanyi Egyetem Szovjet-es Fejlodestani
Intezete

(PYROCATECHOL, deriv.

methylaminoacetylpyrocatechol on endocrine system in
aging rats)

(ENDOCRINE GLANDS, eff. of drugs on
methylaminoacetylpyrocatechol in aging rats)

BURGMR, Margit; SUGAR, Janos

Data on the simultaneous occurrence of the Gronblad-Strandberg syndrome (pseudoxanthoma elasticum Darier) and hypophyseal tumor. Borgyogy. vener. szemle 11 no.5:199-202 Oct 57.

1. Az Orszagos Onkologiai Inteset Dermatologial Osztalyanak (vezeto: dr. Venkei Tibor) es az Onkopahtologiai Kutato Intesetnek (vezeto: dr. Kellner Bela egyetemi tanar) kozlemenye.

(PSEUDOKANTHOMA ELASTICUM, case reports

Gronblad-Strandberg synd. with chromophobe adenoma of pituitary (Hun))

(PITUITARY GLAND, neoplasms

chromophobe adenoma with Gronblad-Strandberg synd., case report (Hun))

BERGER M.

EXCERPTA MEDICA Sec 13 Vol 13/2 Dermatology Feb 59

605. A CASE OF SIMULTANEOUS APPEARANCE OF THE SYNDROME OF
GROENBLAD-STRANDBERG (PSEUDOXANTHOMA ELASTICUM DARIER)
AND A PITUITARY TUMOUR - Adatok a Groenblad-Strandberg syndrome
(pseudoxanthoma elasticum Darier) és a hypophysis tumor együttes előfordulássához - Berger M. and Sugár J. - BORGYÓGY. VENER. SZLE 1957,
33/5 (189-202) MM. J.

A case of the above-mentioned syndrome with, in addition, a pituitary adenoma of
chromophobic cells.

Tijdens - Maastricht

VENKEI, Tibor; BERGER, Margit

Data on the di-trihydroxymethyleneglycol (merapid) therapy of chronic erythema; preliminary report. Byorgyogy. vener. szmele 12 no. 6-235-239 Dec 58.

1. Az Orszagos Onkologial Intezet onko-dermatologial osztalyanak kozlemenye.

(ERYTHEMA, ther.

di- & trihydroxymethylene glycol prep. in chronic erythema
(Hun))

(CYTOTOXIC DRUGS, ther. use
same)

LILLE-SZYSZKOWICZ, I.; WINNICKA, W.; BERGER, M.; KROLOWNA, Z.

Cytochemical studies on the leukocytic system in cases of infections hepatitis in children. Pediat. polska 34 no.7:911-918 July '59.

1. z Pracowni Immunologicznej Kierownik: prof. dr.med. I. Lille-Szyszkowicz i z Oddzialu Obserwacyjnego Kierownik: dr med. W. Winnicka Instytutu Matki i Dziecka w Warszawie Dyrektor Instytutu prof. dr. med. F. Groer.

(HEPATITIS INFECTIOUS, blood) (LEUKOCYTES)

BERGER, M.; KRUKOWA, A.; NIEWIAROWSKI, S.

Congenital hypoplastic thrombocytopenia associated with antihemophilic globulin deficiency (factor VIII). Polski tygod. lek. 16 no.21:803-806 22 My '61.

l. z Pracowni Hematologicznej; kierownik: prof. dr Wl. Lawkowicz i Oddzialu Niemowlęcego; p.o. kierownika: k.m.m. dr H. Hofman. Instytutu Matki i Dziecka w Warszawie; dyrektor: prof. dr Fr. Groer oraz z Poradni dla chorych na hemofilie; kierownik: dr S. Niewiarowski przy Instytucie Hematologii w Warszawie; dyrektor Instytutu: doc. dr A. Trojanowski.

(THROMBOOPENIA in infancy & childhood)
(INFANT, NEWBORN dis)
(HEMORRHAGIC DIATHESIS in infancy & childhood)

BERGER, Margit, dr.; TALLIAN, Ferenc, dr.

Rare vicarious hemorrhage in menopause. Borgyogy. vener.
szemle 40 no. 2:57-60 Ap'64

1. Az Orvostovábbkezeti Intézet II. sz. Szüleszeti-Nagygyógyászati
Tanszekenek és a XIII. ker. Tanacs Onkológiai Csoportjának köz-
lemenye.

*

"APPROVED FOR RELEASE: 06/08/2000

CIA-RDP86-00513R000204910016-8

ROSENZWEIG, Erich; BERGER, Milan; SKULJ, Vladimir

Dorso-occipital presentation. Rad. med. fak. Zagreb 9 no.1:37-69 '61.

(LABOR PRESENTATION)

APPROVED FOR RELEASE: 06/08/2000

CIA-RDP86-00513R000204910016-8"

BERGER, M., inzh.

New automatic pump. Pozh. delo 9 no.9:22 S '63. (MIRA 16:10)

1. Vedushchiy konstruktor Obshchestvennogo konstruktorskogo
byuro No.8.
(Fire engines)

BERGER, M. A.

Conference on problems of hydraulic engineering machinery;
informative report. Biul. tekhn. inform. Inst. "Proektgidro-
mekh" no.1:60-61 '62. (MIRA 16:1)

(Hydraulic engineering—Congresses)

"APPROVED FOR RELEASE: 06/08/2000

CIA-RDP86-00513R000204910016-8

February Rotation
FBI - A. B. C. D. E. F. G. H. I. J. K. L. M. N. O. P. Q. R. S. T. U. V. W. X. Y. Z.

UNCLASSIFIED

REF ID: A6513



APPROVED FOR RELEASE: 06/08/2000

CIA-RDP86-00513R000204910016-8"

BERGER, M.G.

Nepheline rocks of the Kiya-Shaltyr', Goryachegorsk, and Kurgusul' intrusives (northeastern part of the Kuznetsk Ala-Tau). Dokl.AN SSSR 136 no.5:1201-1204 F '61. (MIRA 14:5)

1. Khar'kovskiy gos. universitet im. A.M.Gor'kogo. Predstavлено akad. D.I.Shcherbakovym.
(Kuznetsk Ala-Tau-Nephelite)

BERGER, M.G.

Structure of the Goryachegorsk alkaline massif and some problems
with regard to its formation. Dokl. AN SSSR 141 no.6:1429-1432
D '61. (MIRA 14:12)

1. Khar'kovskiy gosudarstvennyy universitet im. A.M.Gor'kogo.
Predstavлено академиком D.I.Shcherbakovym.
(Goryachegorsk region--Rocks, Igneous)

BERGER, M.G.

Characteristics of the Devonian alkaline magmatic complex in
the northern part of the Kuznetsk Ala-Tau. Dokl. AN SSSR
143 no.2:394-397 Mr '62. (MIRA 15:3)

1. Khar'kovskiy gosudarstvennyy universitet im. A.M.Gor'kogo.
Predstavleno akademikom D.I.Shcherbakovym.
(Kuznetsk Ala-tau—Rocks, Igneous)

LOGVINENKO, N.V.; KARYAKIN, L.I.; BERGER, M.G.; KULESKO , G.I.

Natrolite group minerals. Zap. Vses. min. ob-va 92
no.3:269-280 '63. (MIRA 17:9)

1. Khar'kovskiy gosudarstvennyy universitet i Ukrainskiy
nauchno-issledovatel'skiy institut ogneuporov.

LOGVINENKO, N.V.; REMIZOV, I.N.; BERGER, M.G.

Some characteristics of the accumulation of recent sediments in
the littoral zone of the Sea of Azov and the terrigenous-mineral-
ogical regionalization of them. Dokl. AN SSSR 159 no. 3:568-571
N '64 (MIRA 18:1)

1. Khar'kovskiy gosudarstvennyy universitet imeni A.M. Gor'kogo.
Predstavлено akademikom N.M.Strakhovym.

LOGVINENKO, N.V.; BERGER, M.G.; KULESKO, G.I.

Nature of the thermal effects of dioptase. Dokl. AN SSSR 155
no. 4:826-829 Ap '64. (MIRA 17:5)

1. Khar'kovskiy gosudarstvennyy universitet im. A.M.Gor'kogo.
Predstavлено akademikom N.V.Belovym.

L 4129-66 EIT(1)/EWT(m)/EPF(n)-2/EWA(d)/EMP(t)/EMP(z)/EMP(b) IJP(c) JD/WN/JG/AT
ACCESSION NR: APSC024639 UR/0056/65/049/003/0730/0733

AUTHOR: Krivko, N.I., Berger, M.M. 44

TITLE: Local magnetic fields on the surface of an Nb-Zr superconductor in the mixed state 27 37 20 145570 96

SOURCE: Zhurnal eksperimental'noy i teoreticheskoy fiziki, v. 49, no. 3, 1965, 730-733 C

TOPIC TAGS: superconductor local magnetic field, superconductor surface magnetization, induced superconductor currents, surface magnetic field measurement, niobium zirconium superconductor thermomagnetics

ABSTRACT: This investigation of local (intrinsic) magnetic fields of a superconductor in the mixed state has the aim of elucidating their nature and causes of their dependence upon external field variations. The 60--40% (by weight) Nb-Zr alloy disk specimen was thermomagnetically in the mixed state, i.e. in an outer magnetic field with magnitudes between H_{c1} and H_{c2} . The electronic paramagnetic resonance method was used to measure the total surface (resonance) field in small diphenylpicryl hydrazine sensor pieces attached to the plane surface of the superconductor, using the IMI-2 proton resonance instrument. The local intrinsic field of the superconductor was computed as the difference between the applied outer

L 5130-66

ACCESSION NR: AP5020118

which helps to isolate the desirable signal; this ratio is calculated by a technique based on an expansion of the kernel $R(t, \tau)$ into its eigen-functions. As a direct and exact solution of the above integral equation is practically impossible, the function $b(t)$ is determined by an approximation. A functional block diagram illustrates the idea of an optimal receiver based on the above considerations. Orig. art. has: 2 figures and 56 formulas.

ASSOCIATION: none

SUBMITTED: 04Apr64

ENCL: 00

SUB CODE: EC

NO REF SOV: 001

OTHER: 002

PC
Card 2/2

ACC NR: AP7001389

(A, N)

SOURCE CODE: UR/0413/66/000/021/0059/0059

INVENTOR: Berger, M. N.; Kapilevich, B. Yu.

ORG: none

TITLE: A reference phase generating unit. Class 21, no. 187850

SOURCE: Izobreteniya, promyshlennyye obraztsy, tovarnyye znaki, no. 21, 1966, 59

TOPIC TAGS: antenna component, phase shifter

ABSTRACT: An Author Certificate has been issued for a reference phase generator for automatic control of elements of an antenna system with electric scanning. The generator contains ferrite phase shifters. To increase phase stability at the expense of thermostatic control, the ferrit phase shifters, which are mounted in a single rectangular waveguide, are separated from each other by half-wave dielectric inserts. Orig. art. has: 1 figure. [JR]

SUB CODE: 09/ SUBM DATE: 27Oct65/ ATD PRESS: 5110

Card 1/1

UDC: 621.372.852.22

BERGER, N.I.

18.3200

75945
SOV/133-50-10-b/59

AUTHORS: Belov, I. V. (Candidate of Technical Sciences),
Vil'nyanskiy, I. Ya., Glazkov, P. D., Krasnozhen, D.
Ye., Teleshov, S. A., Berger, N. I. (Engineer)

TITLE: Delivery of Air to Gas Ports by Fan to Intensify the
Melting Process

PERIODICAL: Stal', 1959, Nr 10, pp 889-893 (USSR)

ABSTRACT: Partial combustion of gas in the doghouse occurs
by fan-blown air at an approximate pressure of
600-mm water column, improving flame characteristics
and drastically cutting power consumption for air
blowing (7 to 10 times) in comparison to consumption
by compressors of turbo-blowers. Blowing equipment
is simple and provides an easy way of controlling
air supply. At Stalino and Nizhniye Sergi Metallurgical Plants (Stalinskij zavod, Nizhne-Serginskiy zavod), fan blowing was installed in 1958.
At Stalino Plant, open-hearth furnaces work by

Card 1/4

ASSOCIATION: All-Union Scientific Research Institute of Metal-
lurgical Thermal Technology, Stalino and Nizhniye
Sergi Metallurgical Plants (VNIIMT, Stalinskij i
Nizhne-Serginskiy metallurgicheskiye zavod)

AUTHOR: Berger, N.M. (Smolensk) SOV-47-58-6-6/28

TITLE: Studying the Subject "The Properties of Gases" in the 9th Class (K izucheniyu temy "Svoystva Gazov" v IX klasse)

PERIODICAL: Fizika v shkole, 1958, Nr 6, pp 32 - 38 (USSR)

ABSTRACT: Molecular-kinetic concepts are being increasingly used in studying the subject "Properties of Gases". The necessity for this is outlined in the school program's explanatory note. However, there are no indications as to the use of power engineering concepts when studying the laws of gases. Yet, it is well known that every law of gas expresses a physical process which is connected with definite changes of energy. The purpose of the present article is to call attention to the interpretation of the basic concepts and processes from a molecular-kinetic and power engineering point of view. Some polytechnical material on the utilization of compressed air in engineering is also given. The author points out that the study of the basic properties of gases begins by examining the pressure of gas, its mechanism, on the basis of molecular-kinetic concepts. When turning to the laws of gases, some explanation should be given of ideal gas. The author recommends that, in accordance with the

Card 1/2

SOV-47-58-6-6/28

Studying the Subject "The Properties of Gases" in the 9th Class

program and textbook, the isothermal, the isobar and the isochoric processes should be studied first. This would be followed by the study of the joint law of the condition of gas. He then discusses the adiabatic process. The theme "Properties of Gases" can be concluded by examining the technical application of compressed gases, particularly of compressed air. There are 2 Soviet references.

1. Gases--Properties
2. Physics--Study and teaching

Card 2/2

BERGER, Naum Moiseyevich; ROSHOVSKAYA, Kh.D., red.; KREYS, I.G.,
tekhn.red.

[Forming basic concepts of heat in a physics course]
Formirovanie osnovnykh poniatii teploty v kurse fiziki.
Moskva, Gos.uchebno-pedagog.izd-vo M-va prosv. RSFSR,
1959. 117 p. (MIRA 12:7)
(Heat)

BERGER, N.M. (g.Smolensk)

Acquaintance with the home refrigerator "Zil-Moscow". Fiz. v shkole
(MIRA 13;11)
20 no.3:92-95 My-Je '60.
(Refrigeration and refrigerating machinery)

BERGER, N.M. (Smoleinsk)

M.V.Lomonosov's scientific in studying molecular and heat phenomena.
Fiz.v shkole 21 no.4:27-31 Jl-Ag '61. (MIRA 14:10)
(Lomonosov, Mikhail Vasil'evich, 1711-1765)
(Heat-Study and teaching)
(Molecules)

PILASZANOVICH, Imre, dr.; HALMOS, Laszlo, dr.; SOMOGYI, Jeno, dr.; BERGER,
Rezso, dr.

A personal case of Peutz-Jeghers syndrome. Orv. hetil. 102 no.46:
2169-2173 12 N '61.

1. Pecsi Orvostudomanyi Egyetem, Gyermekklinika es I sz. Sebeszeti
Klinika.

(POLYPI case reports)

S/035/62/000/012/050/064
A001/A101

AUTHOR: Berger, R.

TITLE: The trend in development of aerophotogrammetry

PERIODICAL: Referativnyy zhurnal, Astronomiya i Geodeziya, no. 12, 1962, 16 - 17, abstract 12G116 ("Vermessungstechnik", 1962, v. 10, no. 5, 113 - 117, German; Russian and English summaries)

TEXT: Exemplified by the compiling of a 1 : 2,000 topographic map, the author shows the present state of aerophotogrammetry in the GDR and indicates the ways of its further development. The following precision standards are established in the GDR for 1 : 2,000 maps: the average error of the plan position of important objects with distinct boundaries $m_{L_1} = \pm 0.5$ mm, of other objects with distinct boundaries $m_{L_2} = \pm 0.66$ mm, other objects with unclear boundaries $m_{L_3} = \pm 1.0$ mm; the average error in height for points located on roads and specified on the map $m_{H_1} = \pm 7$ cm, for all other points $m_{H_2} = \pm 10$ cm, error in position of horizontals $m_{H_3} = \pm az + btg\alpha$, where $a = 0.33$ m, $b = 1.0$, z is height of

Card 1/4

S/035/62/000/012/050/064
A001/A101

The trend in development of aerophotogrammetry

relief section. Precision of photogrammetric works with the use of photomaterials existent in the GDR and of stereoprocessing instruments is characterized by the following indices: error in measuring longitudinal parallaxes in drawing relief $\delta_{p_1} = \pm 0.025$ mm in determining point elevations $\delta_{p_2} = \pm 0.020$ mm; the average summary error in determining the plan position of contours $\delta_{H_1} = 0.03$ mm, absolute error in determining point coordinates in development of phototriangulation networks $\delta_{H_2} = n \times 0.01$ mm, where n is number of models in a route, $4 < n < 14$.

Admissible number of models in the route.

$$M_H = \sqrt{\delta_{H_1}^2 + \delta_{H_2}^2} \quad \text{or } n = \sqrt{\left(\frac{4}{m_{CH} \cdot 10^{-4}}\right)^2 - 9}.$$

Mean expenditures are distributed by processes as follows: aerial photosurvey - 5%, bridging of aerial photographs - 42%, phototriangulation - 10%, map plotting - 35%, preliminary work and costs of materials - 8%. In spite of considerable amount of field topographic-geodetic works in bridging aerial photographs, the costs of a stereotopographic survey is 5 times as low as the cost of a ground

Card 2/4

The trend in development of aerophotogrammetry

8/035/62/000/012/050/064
A001/A101

survey. A further development of aerophotogrammetry must proceed in direction of improving photographic and measuring properties of aerial photographs (stabilization of aerofilm backing, raising resolving power of objective-film, reducing residual errors of orientation and setting stereomodels true to perpendicular). Increasing the accuracy of measuring parallaxes from 0.03 to 0.01 mm changes essentially technical conditions of stereotopographic surveys and increases its efficiency. The following technique of stereotopographic works has been developed in the GDR: marking all available triangulation points distributed at 2.5 - 3 km from each other; simultaneous aerial photography with a normal and a superwideangle aerial cameras, functioning synchronously, from a flight altitude of ~700 - 800 m; altitude bridging of superwideangle aerial photographs; bridging of altitudes from superwideangle photographs for stereophotogrammetric processing of photographs taken by means of an objective with a normal visual angle by means of precision stereocomparators and calculating automats (simultaneously altitudes of points specified on the map are determined); determination of plan coordinates of points for photographs with the normal visual angle by the phototriangulation method developed on universal instruments and adjustment of networks by means of analog computers or by the method

Card 3/4

The trend in development of aerophotogrammetry

S/035/62/000/012/050/064
A001/A101

of analytical phototriangulation with the use of stereocomparators and computers; stereophotogrammetric processing of photographs with normal visual angle and plotting maps on stereometrograph-type instruments by the method of automatic engraving on glass using an automatic coordinatograph. An advantage of photo-plans over graphic plans is noted; the actual problem is designing an instrument for transformations of superwideangle aerial photographs of regions with any elevations of region points. There are 6 references.

A. Zenina

[Abstracter's note: Complete translation]

Card 4/4

BERGER, R. G., Cand of Med Sci -- (diss) "Treatment of Patients With Chronic Leucoma by Embihine and Novoembihine," Leningrad, 1959, 17 pp (1st Leningrad Medical Institute im Pavlov, Chair of Hospital Therapy) (KL, 6-60, 125)

BERGEN, R.I., inzh.

Sealing cracks in concrete beams with epoxy cement. Avt.dor. 26
no.10:19-20 O '63. (MIRA 16:11)

BERGER, Rudolf.

Calculation of parallel values on a slide rule. Sdel tech
12 no.2879 F'64

POL. 2

✓Chemical composition and nutritive values of Polish
rennet cheese. J. Rudowicka, W. Skrzypczak,
Luczakiewicz, St. Berger, and J. Wawrzyniak
Miesięcznik Zdrojowy 1978; 2, 61-64.
Rennet-piped hard cheese (Tartka) contains
have 8-10 times as high a content of protein as
cheese.

BERGER, S.

Excerpta Medica 1/2 sec 17 Feb 55 Pub. Health, Social Medicine & etc.

1010. BERGER S. Działu Hig. Zywienia P. Z. H., Warszawa. *Seasonal variations in vit. A and carotene content of cow milk (Polish text) ROCZNIKI PANSTW. ZAKŁ. HIG. 1952, 3 (163-184)

Vit. A (Carr-Price reaction) and carotene (spectrophotometrically) were detected in the milk of 20 cows during April, June, and December. In 100 ml. of milk the average contents were: vit. A (I. U.) 45.0 (April), 153.0 (June) and 104.0 (Dec.); carotene (γ) 3.2 (April), 13.5 (June), and 8.3 (Dec.). The differences in the contents of both vit. A and carotene were explained as due to the type of fodder consumed by the cows.

Pitrowski (Chem. Abstr.)

"APPROVED FOR RELEASE: 06/08/2000

CIA-RDP86-00513R000204910016-8

APPROVED FOR RELEASE: 06/08/2000

CIA-RDP86-00513R000204910016-8"

"APPROVED FOR RELEASE: 06/08/2000

CIA-RDP86-00513R000204910016-8

APPROVED FOR RELEASE: 06/08/2000

CIA-RDP86-00513R000204910016-8"

BERGER, S

"Method for the Quantitative Determination of B-Carotene (Provitamin A) and the Sum of Carotenoids in Some Vegetable Products." p. 473 (Dziennik Urzędowy, No. 4, 1953, Warszawa)

SO: Monthly List of East European Accessions, Library of Congress, Vol. 3, No. 6, June. 1954, Uncl.

BERGER, S

Berger, S.; Ruhowicz, K.

"Action of carotene (pro-vitamin A) in oil solutions; a preliminary report," p. 502
(Roczniki, No. 4, 1953, Warsaw)

SO: Monthly List of East European Accessions, Library of Congress, Vol. 3, No. 6, June.
1954, Uncl.

ZAHORSKA, A.; BERGER, S.; KRUS, S.

Modified value of vitamin A in experimental diseases of the liver. Polski tygod. lek. 8 no.37-39:1365-1366 28 Sept 1953. (GML 25:4)

1. Of the Gastrological Clinic (Head--Prof. L. Plocker, M.D.) and of the Institute of Pathological Anatomy (Head--Prof. L. Paszkiewicz, M.D.) Warsaw Medical Academy and of the Division of Hygiene of Nutrition (Head--Prof. A. Szczęgiel, M.D.) of State Institute of Hygiene.

BERGER, S.

"The Food Industry and Fodder Production." P. 62. (PRZEGLAD TECHNICZNY,
Vol. 75, No. 2, Feb. 1954, Warszawa, Poland)

SO: Monthly List of East European Accessions, (EEAL), LC, Vol. 4,
No. 1, Jan. 1955 Uncl.

"APPROVED FOR RELEASE: 06/08/2000

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POL



APPROVED FOR RELEASE: 06/08/2000

CIA-RDP86-00513R000204910016-8"

BERGER, S.

"Vitaminizing of Food in the USSR." P. 301. (PRZEMYSŁ ROLNY I SPOŻYWCZY,
Vol. 8, No. 9, Sept. 1954, Warszawa, Poland)

SO: Monthly List of East European Accessions, (EEAL), LC, Vol. 4,
No. 1, Jan. 1955 Uncl.

"APPROVED FOR RELEASE: 06/08/2000

CIA-RDP86-00513R000204910016-8

APPROVED FOR RELEASE: 06/08/2000

CIA-RDP86-00513R000204910016-8"

BERGER S

POLVA

Mutual dependence of dark adaptation and vitamin A level in blood serum. Stanislaw Berger and Paweł Segal (State Inst. Hyg., Warsaw). *Roczniki Państwowego Zakładu Hig.* 6, 47-54 (1955) (English summary).—Fairly good correlation was found between dark adaptation tests and blood serum vitamin A levels among 23 persons in the age range 24-67 years, some of whom had reported eyesight disturbances. Alina S. Szczęśniak

BERGER, STANISLAW

Determination of β -carotene in vitaminized chocolate.
Stanislaw Berger and Barbara Dietl (Ponistowy Zaklad
Hig., Warsaw). Roczniki Państwowego Zakładu Hig. 6,
181-4 (1955) (English summary).—A modified method is out-
lined for the detn. of β -carotene in chocolate. A sample is
pulverized and 1.5 g. is added to 5 ml. of H₂O in a flask;
the mixt. is heated to 40°. The melted sample is trans-
ferred into a Waring Blender, and the flask is washed with
50 ml. of petr. ether and 75 ml. of EtOH. The washings
are placed in the blender and the sample is homogenized
for 30-60 sec. The sample is then transferred to a sepa-
ratory funnel, and the ether phase is sep'd. and washed
repeatedly with petr. ether until a clear layer is obtained.
Ether exts. are washed twice with 50 ml. of water. The
optical d. of the ext. is measured and compared with a stand-
ard curve. The recovery of added β -carotene to chocolate
was approx. 97.3%, while for total carotenoids the recovery
was about 94.1%.
Richard Ehrlich

MD

⑦

ZAHORSKA, Alina; BERGER, Stanislaw; KRUS, Stefan

Studies on vitamin A in liver diseases. I. Diagnostic and prognostic values of vitamin A in the blood. Polski tygod. lek. 10 no.3:75-80
17 Jan 55

1. Z Kliniki Gastrologicznej Akademii Medycznej w Warszawie, Kierownik:
prof. dr med. L.Płocki, z Działu Higieny Żywnienia Państwowego
Zakładu Higieny w Warszawie, kierownik: prof. dr med. A.Szczygiel i
z Zakładu Anatomii Patologicznej Akademii Medycznej w Warszawie,
kierownik: prof. dr med. Paszkiewicz.

(BLOOD,

vitamin A in liver dis., diag. & progn. values)

(VITAMIN A, in blood,

in liver dis., diag. & progn. values)

(LIVER, diseases,

blood vitamin A in, diag. & progn. values)

ZAHORSKA, Alina; BERGER, Stanislaw; KRUS, Stefan

Studies on vitamin A in liver diseases. II. Relation of vitamin A
in the liver to its experimental ethyl alcohol lesions. Polski
tygod. lek. 10 no.4:99-105 24 Jan 55.

1. Z Kliniki Gastrologicznej Akademii Medycznej w Warszawie; kierownik:
prof. dr med. L.Płocki; z Działu Higieny Zywienia Państwowego
zakładu Higieny w Warszawie; kierownik: prof. dr med. A.Szczygiel;
z Zakładu Anatomii Patologicznej Akademii Medycznej w Warszawie;
kierownik: prof. dr L.Fasskievicz.

(VITAMIN A, metabolism,
liver, eff. of prolonged ethyl alcohol admin. in rats)

(LIVER, metabolism,

vitamin A, eff. of prolonged ethyl alcohol admin. in rats)
(ALCOHOL, ETHYL, effects,
on liver vitamin A in rats)

BERGER, S.

BERGER, S. In editorial rooms of Soviet food industry periodicals. p. 215.

Vol. 77, no. 5, May 1956
PRZEGLAD TECHNICZNY
PHILOSOPHY & RELIGION
Warszawa, Poland

SO: East European Accession, Vol. 6, March 1957

BERGER, STANISLAW

POLAND/Human and Animal Physiology - Physiology of Labor and Sports.

v-10

Abs Jour : Ref Zhur - Biol., No 4, 1958, 18722

Author : Pawel Segal and Stanislaw Berger

Inst :

Title : The Effect of Physical Exertion on the Function of the Visual Organ and the Level of Vitamin A in the Blood Serum.

Orig Pub : Acta Physiol. polon., 1956, 7, No 1, 51-64

Abstract : A study was made of the effect of running a distance of 1200 meters through broken terrain on certain functions of the eyes of men, aged 21 and 22, who were not in training and men in training for seven weeks. In both groups visual acuity was substantially unchanged after the run. Among the majority of those not in training a reduction in the visual fields for white, green and red was noted, as well as removal of the far point to a greater distance and a reduction in dark adaptation. In the majority of

Card 1/2

POLAND/Human and Animal Physiology - Physiology of Labor and Sports. V-10

Abs Jour : Ref Zhur - Biol., No 4, 1958, 18722

those in training, on the other hand, the corresponding visual fields were extended, the far point was moved further away and the near point was brought closer; dark adaptation remained almost unchanged. Fluctuations in the vitamin A content of the serum, although appreciable in a number of cases, were irregular.

Z Oddz. Okulist-Centralnego Wojskowego Szpitala Klinicz-Ordynator doc. dr.

p eval

Card 2/2

BERGER, S.

BERGER, S. Meeting of the Polish-Czechoslovak Problems Committee on
"Scientific Foundations of Nutrition." p. 380 Vol. 10 no. 9 Sept. 1956
PRZEMYSŁ SPOŁYWCZY, Warszawa Poland

SOURCE: East European Accessions List (EEAL) Vol. 6 No. 4 April 1957

SEGAL, Paweł; RUSZKOWSKI, Marian; BERGER, Stanisław; MASIĄK, Michał

Abortive Wilson's syndrome with dark adaptation disorders.
Klin. oczna 26 no.4: 379-387 1956.

1. Z Oddz. Oczn. C.W.S.K.: Ordynator doc. dr. P. Segal.
Z Klin. Int. Pol. A.M. w Łodzi: Kierownik doc. dr. A. Himmel.

Z Działu Higieny Zwierzenia P.Z.H.: Kierownik prof. dr.

A. Szczygiel, i z Laborat. Klin. C.W.S.K.: Kierownik dr.

J. Grande, Warszawa ul. J. Dąbrowskiego 77, m. 27.

(HEPATOLENTICULAR DEGENERATION, compl.

dark adaptation disord. caused by abortive Wilson's dis.
(Pol)

(NIGHT BLINDNESS, etiol. & pathogen.
same).

BERGER, STANISLAW

SEGAL, Paweł; BERGER, Stanisław

Role of vitamin A and of its derivatives in vision. Postepy
wiedzy med. 4 no.2:127-144 Apr-June 57.

(VISION, physiology,
vitamin A & its deriv. in, review (Pol))
(VITAMIN A, physiology,
in vision, vitamin A & its deriv., review (Pol))

BERGER, Stanislaw

Some problems in biochemistry of nutrition. Postepy biochem. 8 no.3:
347-367 '62.

(NUTRITION) (BIOCHEMISTRY) (VITAMINS)

BERGER, Solomon Israilevich; TYUMENEVA, S.T., inzh., red.; KUBNEVA, M.M., tekhn.red.

[Use of spectrum analysis at the S.M.Kirov "Elektrosila" factory in Leningrad] Primenenie spektral'nogo analiza na leningradskom zavode "Elektrosila" imeni S.M.Kirova. Leningrad, 1959. 19 p. (Leningradskii dom nauchno-tehnicheskoi propagandy. Obmen peredovym opyтом. Seria: Kontrol' kachestva produktov, vyp. 6). (MIRA 13:3)
(Spectrum analysis) (Metals--Analysis)

24(7)

AUTHOR:

Berger, S. I.

SOV/32-25-2-57/78

TITLE:

On the Effect of the Surface Finish of Samples on the Accuracy of the Spectrum Analysis (K voprosu o vliyanii kachestva poverkhnosti prob na tochnost' spektral'nogo analiza)

PERIODICAL:

Zavodskaya Laboratoriya, 1959, Vol 25, Nr 2, p 235 (USSR)

ABSTRACT:

In order to clarify the question referred to in the title a comparison was made of the results obtained in the analyses of steel samples of the OKhNZM type and samples of carboniferous steel after surface finishing by means of a grinding stone with a cutter under $\nabla\nabla 6$. The spectrograph ISP-28 and generator IG-3, "spectral" films of the type I and the tripod ShT-10 were used. The analysis was carried out by the method of three standards, standard samples of the V-set of the Ural'skiy institut metallov (Ural Institute of Metals) being used. In the OKhNZM steel Mn, Cr, Ni and Mo were determined, in the carboniferous steel Mn, Cr, Ni and Si. The analysis results obtained (Table) show that the spectrum analysis is made much more precise if the sample is finished by means of the cutter under $\nabla\nabla 6$, and that such a finishing operation is easily

Card 1/2

On the Effect of the Surface Finish of Samples
on the Accuracy of the Spectrum Analysis

SOV/32-25-2-57/78

possible under prevailing working conditions. For this reason
the above-mentioned treatment prior to the spectrum analysis
is highly recommended. There is 1 table.

Card 2/2

BERGER, S.I., YABLONIK, L.M.

Spectrum analysis of the Alnimagnetic alloy and of Bl6 and B83
Babbit metals by the contact spark transfer method. Zav.lab.
26 no.5:576 '60. (MIRA 13:7)
(Alloys--Spectra)

S/048/63/027/001/001/043
B163/B180

AUTHORS: Baskov, V. S., Berger, S. I., Mal'tsev, M. G.,
Palladin, M. N. and Taganov, K. I.

TITLE: New data on spectroscopic analysis with preliminary
material transfer by contact-electric-spark treatment

PERIODICAL: Akademiya nauk SSSR. Izvestiya. Seriya fizicheskaya, v. 27,
no. 1, 1963, 2-3

TEXT: The absolute sensitivity of the spectroscopic analysis of metals
and alloys can be increased by a preliminary spark treatment, in some
cases due to selective transfer of the components. It is shown how the
intensity of the Mg lines in spheroidal-graphite cast iron and Pb lines
in the alloy "Al'kusip" is enhanced. Another way of increasing sensitivity
is to activate the sampling process by first depositing a suitable
catalyst on the surface of the specimen. For example, if Ti alloys are
activated in a cadmium electrode discharge or by immersion in a cadmium
chloride solution, the spectrum intensity increases 4 to 5 times. The
spectra of small Si, Mn, and Fe impurities can then be recorded
Card 1/2

New data on spectroscopic analysis ...

S/048/63/027/001/001/043
B163/B180

simultaneously instead of the usual method which requires separate determination of Si in an arc discharge. The spectrum of a specimen sampled by electric discharge can usually be recorded without heating the transfer products, but the intensity ratios may vary with time. Sampling by electric spark treatment can be further improved by using single discharge pulses, which helps to keep the composition of the transfer products constant and exclude the effect of other components. The circuit diagram is given, for an electric spark sampler without vibrational mechanism, in which the sampling electrode moves along the surface, and the discharge is initiated by a periodically discharging capacitor in a spark circuit. This paper was presented at the 14th Conference on Spectroscopy in Gor'kiy, July 5-12, 1961. There are 3 figures.

Card 2/2

TARASOV, Konstantin Ivanovich; KHOKHLOV, Vladimir Vladimirovich;
BERGER, S.I., red.; TELYASHOV, R.Kh., red. izd-va;
GVIRTS, V.L., tekhn. red.

[New STE-1 diffraction spectrograph with crossed dispersion
and its use in spectrum analysis] Novyi difraktsionnyi
spektrograf so skreshchennoi dispersiei STE-1 i ego spektroana-
liticheskie vozmozhnosti. Leningrad, 1963. 21 p. (Leningrad-
skii dom nauchno-tekhnicheskoi propagandy. Otmen peredovym
opytom. Seriya: Kontrol' kachestva produktsii, no.1)

(MIRA 16:5)

(Spectrograph)

BASKOV, V. S.; BERGER, S. I.; MAL'TSEV, M. G.; PALLADIN, M. N.;
TAGANOV, K. I.

New data on spectral analysis with prior mass transfer by
contact electric spark. Izv. AN SSSR. Ser. fiz. 27 no.1:2-3
Ja '63. (MIRA 16:1)

(Spectrum analysis) (Electric spark)
(Mass transfer)

BERGER, T

RUMANIA/Organic Chemistry - Synthetic Organic Chemistry.

G-2

Abs Jour : Ref Zhur - Khimiya, No 14, 1958, 46640

Author : T. Berger, Fl. Gagiu, Cl. Schönberger

Inst :

Title : Study of Synthesis of Some New Derivatives of Isovaleric Acid.

Orig Pub : Farmacia (Romania), 1957, 5, No 3, 224-228

Abstract : Iso-C₅H₁₁OH is oxidized to iso-C₄H₉COOH with KMnO₄ in an alkaline medium at 10 to 15°, the yield is 83%. (CH₃)₂CHCHBrCOBr is condensed with NH₂COOC₂H₅ in toluene (1 : 1.2 moles), the yield of (CH₃)₂CHCHBrCONHCOOC₂H₅ (I) is 80%, melting point - 110 to 111°. 1 mole of (CH₃)₂CHCHBrCONHCONH₂ and

Card 1/2

CCOUNTRY : RUMANIA
CATEGORY : Chemical Technology. Chemical Products and Their Application. Pharmaceuticals. Vitamins. Antibio-*^H
ABS. JOUR. : RZhKhim., No 17, 1959, No. 61802
AUTHOR : Ciocanelea, V.; Berger, T.; Gagin, F.
INSTITUTE : -
TITLE : New Therapeutically Active Derivative of Thiol, of the Ichthyol type.
ORIG. PUB. : Farmacia (Romin.), 1958, 6, No 4, 317-320

ABSTRACT : A new thiol derivative, close in the composition to ichthyol, was derived from linseed oil. Linseed oil was subjected to chemical treatment: sulfidation, sulfonation, neutralization and purification. A dark brown product resulted having the consistency of honey and a weak specific odor. Described are the method of preparation, physico-chemical properties and results of the toxicity and pharmacodynamic action determinations in the variety of pharmaceutical forms.

*tics.

Card:

1/1

Country	: RUMANIA	H
Category	:	
Abs. Jour	:	44455
Author	: Berger, Th.	
Institut.	:	
Title	: Calculating the Mixing System in Chlorine Towers for Preliminary Bleaching of Cellulose	
Orig Pub.	: Celul. si hirtie, 1958, 7, No 7, 286-289	
Abstract	: Difficulties are examined which are observed in preliminary cellulose bleaching in towers. An effort was made to establish the role of the propeller in the general acceleration of work in towers, in such a manner that the fibers remain in the towers during the period necessary for bleaching. Author's resume.	
Card: 1/1		

BERGER, TH.

TECHNOLOGY

Periodicals: CELULOZA SI HIRTIE. Vol. 7, no. 8, Aug. 1958

BERGER, TH. Evaporation of water from the paper in the drying part of a paper machine, and possibilities of computing and determining the temperature of drying cylinder. p. 329.

Monthly List of East European Accessions (EEAI) LC, Vol. 8, No. 2,
February 1959, Unclass.

COUNTRY	:	Rumania	H-33
CATEGORY	:		
ABS. JOUR.	:	AZKhim., No. 21 1959, No.	76995
AUTHOR	:	Berger, T.	
INST.	:	Not given	
TITLE	:	Heat Transfer During the Drying of Paperboard in Mechanical Dryers	
ORIG. PUB.	:	Celuloza si Hirtie, 7, No 11, 455-457 (1958)	
ABSTRACT	:	The author has shown by carrying out the necessary calculations that the assumption of a constant coefficient of heat transfer α at the surface of the paperboard (P) during the drying process leads to an error not exceeding 2% in the calculation of the rate of drying of the P in mechanical driers, at the temperatures used in the drying operation. For the calculation of α with an error of 2% in the rate of drying, the author has introduced a number of simplifi-	
CARD: 1/3			

COUNTRY	:	Rumania	H-3
CATEGORY	:		
ABS. JOUR.	:	RZKhim., No. 21 1959, No.	76995
AUTHOR	:		
INST.	:		
TITLE	:		
ORIG. PUB.	:		
ABSTRACT	:	cations into the standard formulas: for tunnel driers with vertically suspended P $\alpha = 2.967(Y U_s)^{0.75} / d^{0.25}$ and for driers in which the P is supported on a traveling felt, $\alpha = 4.545(U_s Y)^{0.8} / d^{0.2}$ where Y is the density of the air during drying, U _s is the velocity of the air between the P in m/sec, d is the length in m of one row of P	

CARD: 2/3

319

COUNTRY	:	Rumania	H-53
CATEGORY	:		
ABS. JOUR.	:	RZhKhim., No. 21 1959, No.	76995
AUTHOR	:		
INST.	:		
TITLE	:		
ORIG. PUB.	:		
ABSTRACT	:	supported on the felt in the direction of the air flow in one drier compartment [sic]; $\alpha = 2 \frac{S}{d}$, where S is the distance between two rows of P in tunnel driers. For a given drier ($\sqrt{U_s}$) and d are constant quantities which determine S and the capacity of the drier,	
G. Markus			
CARD: 3/3			

COUNTRY	: RUMANIA
CATEGORY	: Organic Chemistry. Synthetic Organic Chemistry
AES. JOUR.	: RZKhim., No. 23 1959, No. 82296
AUTHOR	: Manta, I.; Berger, T.; Silaghi, E.
INST.	: -
TITLE	: Synthesis of Certain Coronary Dilating Chromones and Flavones
ORIG. PUB.	: Rev. chim. (RPR), 1959, 10, No 2, 69-71
ABSTRACT	: With a view to pharmacological trials, 3-methyl- and 2,3-dimethylchromones (Ia,b), 3-methylflavone (II) and 7-R-flavones [IIIa-d, where a R=OCH ₃ ; b OCH ₂ COOC ₂ H ₅ ; c OCH ₂ C ₆ H ₅ ; d OCH ₂ CH ₂ N(C ₂ H ₅) ₂] were synthesized. 4 g of Na powder are introduced at 0-5° into a mixture of 50 g of o-oxypropiophenone (IV) and 300 g of HC ₂ OOC ₂ H ₅ , mixed for 8 hours at 15°, poured out into water, oxidized and Ia is separated;

CARD: 1/5

G-16

COUNTRY :
CATEGORY :

G

ABS. JOUR. : RZKhim., No. 23 1959, No. 82296

AUTHOR :
INST. :
TITLE :

ORIG. PUB. :

ABSTRACT : yield 70%, m.p. 60° (from ligroin). Mixture
cont'd of 25 g of IV, 12 g of CH₃COONa and 30 g of
(CH₃CO)₂O is heated for 7 hours at 180°,
poured into water, mixed for 3 hours, the
product is treated with 5% NaOH and II is ob-
tained, yield 68%, m.p. 97° (from water).
45 g of IV, 200 g of C₆H₅COONa and 150 g of
C₆H₅COCl are heated for 10 hours at 180-185°
and II is separated, yielding 72%, m.p. 66°
(from alcohol). 25 g of resacetophenone, 95

CARD:

2/5

COUNTRY :	G
CATEGORY :	
ABS. JOUR. :	RZKhim., No. 23 1959, No. 82296
AUTHOR :	
INST. :	
TITLE :	
ORIG. PUB. :	
ABSTRACT cont'd	: g of C_6H_5COCl and 1.25 g of C_6H_5COONa are heated for 4 hours at 180-185° and processed with 0.8 l of alcohol, boiled for 30 min with a solution of 90 g of KOH in 0.1 l of water, the alcohol is removed and the residue is poured into 1.5 l of water; CO_2 is passed through the solution and 25 g of 7-oxyflavone (V), m.p. 240° (from ethyl acetate) are separated. To 20 g of V, in a solution of 3.4 g
CARD:	3/5

G-17

COUNTRY :
CATEGORY :

ABS. JOUR. : RZKhim., No. 23 1959, No. 82296

AUTHOR :
INST. :
TITLE :

ORIG. PUB. :

ABSTRACT : of NaOH in 20 ml of water, a solution of 10
cont'd % of CH_2ClCOOH in 20 ml of water is gradually
added for 8 hours, diluted in water, the pro-
duct is precipitated with dilute HCl (1:1),
reprecipitated from NaHCO_3 , etherified with
alcohol and HCl, and IIIb is obtained, yield-
ing 60%, m.p. 122° (from alcohol). V is me-
thylated with $(\text{CH}_3)_2\text{SO}_4$ in alkaline medium
and IIIa is separated, yielding 65%, m.p.
 110° (from ether). By the benzylation of V

CARD: 4/5

BERGER, T.S.; POPOV, B.A.; CHEREMISINA, R.A.

Recent data on the northern limit of the range of young codfish,
haddock, perch, and herring in the Barents Sea. Dokl. AN SSSR
143 no.4:965-967 Ap '62. (MIRA 15:3)

1. Polyarnyy nauchno-issledovatel'skiy i proyektnyy institut
morskogo rybnogo khozyaystva i okeanografii im. N.M.Knipovicha,
Murmansk. Predstavлено академиком Ye.N.Pavlovskim.
(Barents Sea--Codfish) (Barents Sea--Perch) (Barents Sea--Herring)

BERGER, T.S.; POPOV, B.A.; CHEREMISINA, R.A.

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Murmansk. Predstavлено академиком Ye.N.Pavlovskim.
(Barents Sea—Codfish) (Barents Sea—Perch) (Barents Sea—Herring)

BERGER, V.

Streptomycin therapy and development of streptomycin resistant mycobacterium tuberculosis. Rozhl.tuberk. 10 no.5-6:126-129 1950.
(CLML 20:6)

1. Of Albertinum Sanatorium in Zamberk (Head--F.Mydlil, M.D.)

BERGER, V., MUDr.

Cooperation of a regional phthisiologist with a tuberculosis hospital. Cesk. zdravot. 4 no.10:609-610 Oct 56.

1. Okresni ustav narodniho zdravi v Domazlicich.
(TUBERCULOSIS, prevention and control,
in Czech., cooperation of regional specialist with tuberc.
hosp. (Cz))

"APPROVED FOR RELEASE: 06/08/2000

CIA-RDP86-00513R000204910016-8

BERGER, V.

DOMANSKY, R. and BERGER, V. "Analytic tracing of the process of formaldehyde and phenol condensation." p. 441. (Chemicke Zvesti, Vol. 5, No. 8, Oct. 1951. Bratislava.)

SO: Monthly List of East European Accessions, Vol. 3, no. 6, Library of Congress, June 1954.
Uncl.

APPROVED FOR RELEASE: 06/08/2000

CIA-RDP86-00513R000204910016-8"

BERGER, V.

CZECHOSLOVAKIA / Chemical Technology. Chemical Products and
Their Application. Synthetic Polymers.
Plastics.

H-29

Abs Jour : Ref. Zhur - Khimiya, No 3, 1958, 9803

Author : Berger, Vladimir, Reichsthaler Gabriel

Inst : Not given

Title : Polyvinyl Acetate Adhesives in the Wood Processing In-
dustry.

Orig Pub : Drevo, 1956, 11, No 19, 256-258

Abstract : As a result of testing the adhesive properties of Czech-
developed polyvinyl acetate (I) water emulsions based on un-
plastisized I (dry residue 50% viscosity at 20°C 1200
cp) or on plastisized I (dry residue 56%, viscosity at 20°C
900cp), it was established that the emulsions may be used

Card 1/2

1

BERGER, V.

CZECHOSLOVAKIA/Chemical Technology - Chemical Products and
Their Application, Part 4. - Synthetic Polymers,
Plastics.

H-28

Abs Jour : Ref Zhur - Khimiya, No 7, 1958, 23247

Author : V. Berger

Inst :

Title : Glue Based on Resorcin Resins.

Orig Pub : Drevo, 1957, 12, No 2, 49-51

Abstract : The glues FR-63 (I) (content of dry residue = 63 ± 3%) and FR-80 (II) (content of dry residue = 73 ± 3%) were prepared of phenolresorcinoformaldehyde resins. They are used for gluing together wood in various constructions (railroad ties, composite girders, knots in shipbuilding), for gluing plastics together with wood, etc. The gluing is carried out at about 20° in the presence of the solidifier paraform in the amount of 15% (CH_2O concentration 93% or more) in the case of I; in the case of II, formalin is

Card 1/2